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1653

**PATENT**

Attorney Docket No.: A-70365-1/RFT/RMS/RMK

DW File No. 468488-153

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* application of:

PIERCE et al.

Serial No. 09/866,511

Filed: May 24, 2001

For: *Methods and Compositions Utilizing  
Hybrid Exact Rotamer Optimization  
Algorithms For Protein Design*

Examiner: UNKNOWN

Group Art Unit: 1653

#7  
Plunkett  
2/6/03

CERTIFICATE OF MAILING

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Dated: January 24, 2003

Signed: Marjorie Jost  
Marjorie Jost

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patent  
Washington, D.C. 20231

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying substitute for form PTO-1449. Copies of the references are enclosed.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that the references listed on the enclosed form PTO-1449 were first cited in an International Search Report dated December 11, 2002, for a counterpart PCT application. As such, the filing of this Information Disclosure Statement is within three months of the date of that International Search Report and, therefore, need not be accompanied by the fee. A copy of the International Search Report for the counterpart PCT application is enclosed herewith.

References cited in the search report and not cited herein have been previously disclosed by Applicants in the instant application.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

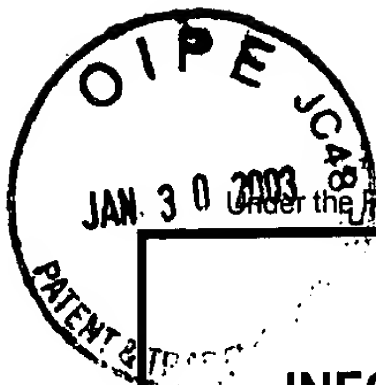
As far as is known to the undersigned, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required. Although no fee is believed to be due, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 468488-153 (A-70365-1/RFT/RMS/RMK)).

Respectfully submitted,  
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Filed under 37 C.F.R. § 1.34(a)



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Substitute PTO/SB/8A (08-00)  
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				Application Number	09/866,511
				Filing Date	May 24, 2001
				First Named Inventor	PIERCE, Niles
				Group Art Unit	1653
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	A-70365-1/RFT/RMS/RMK (468488-153)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
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FOREIGN PATENT DOCUMENTS						
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	B1	WO 01/16862 A2	03-08-2001	California Institute of Technology		
	B2					
	B3					
	B4					
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	B6					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	C1	GORDON, DB and MAYO, SL, "Branch-and-Terminate: a combinatorial optimization algorithm for protein design," Structure 7(9):1089-1097 (1999)	
	C2	LEACH, AR and LEMON, AP, "Exploring the Conformational Space of Protein Side Chains Using Dead-End Elimination and the A* Algorithm," Proteins: Structure Function and Genetics 33:227-239 (1998)	
	C3	PIERCE, NA, et al., "Conformational Splitting: A More Powerful Criterion for Dead-End Elimination," J Comp. Chem. 21(11):999-1009 (2000)	
	C4	WERNISCH, L et al., "Automatic Protein Design with All Atom Force-fields by Exact and Heuristic Optimization," J. Mol. Biol. 301:713-736 (2000)	
	C5		

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<sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

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